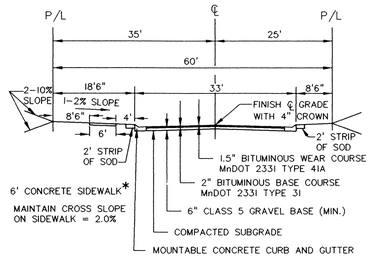
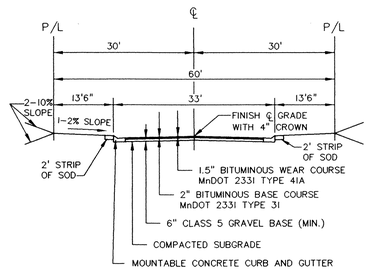


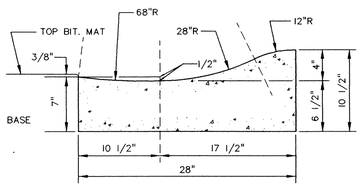
* = RUSH STREET, UPLAND STREET, 195TH LANE

STREET WITH SIDEWALK



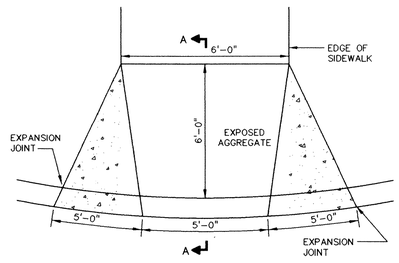
STREET WITHOUT SIDEWALK

TYPICAL STREET SECTION

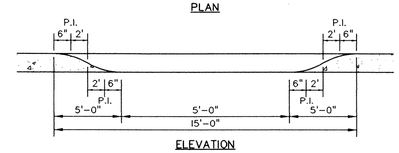


MOUNTABLE

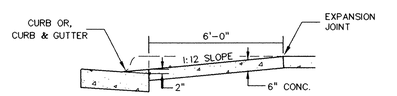
MOUNTABLE CONCRETE CURB & GUTTER (R-06)



PLAN



ELEVATION

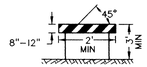


SECTION A-A

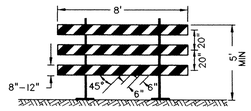
PEDESTRIAN CURB RAMP (R-11)

TYPE I BARRICADE W/FLASHER

DRUM W/FLASHER

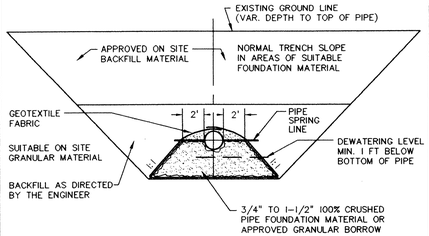


TYPE I BARRICADE W/O FLASHER



TYPE III BARRICADE

STANDARD BARRICADES (R-16)



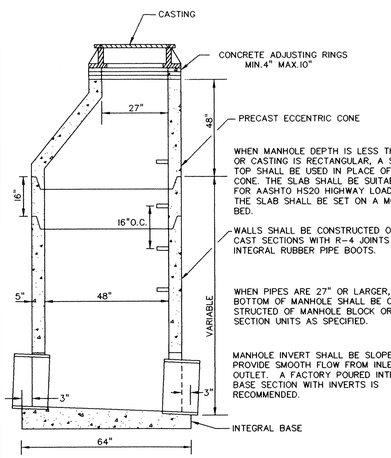
TYPICAL PIPE SUBGRADE CORRECTION (S-07)

REV NO.	DATE	DESCRIPTION
1	05/14/96	EXPANDED PHASE 1 REVISIONS
2	06/25/96	GENERAL REVISIONS, CITY COMMENTS
3	11/4/97	RECORD PLANS

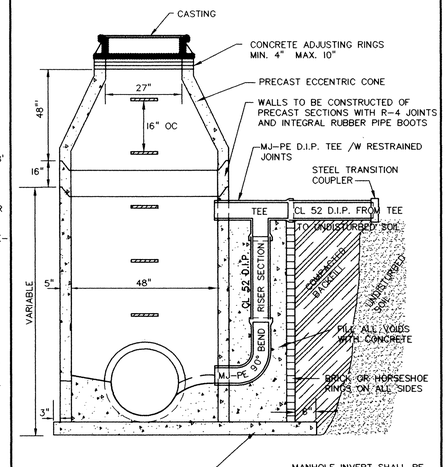
DATE: 04/30/96
DESIGN BY: JR
DRAWN BY: BG
CHECKED BY: JB
DWG FILE: 13-LWDET.
TEXT FILE: NONE
FILE NO.: 2024.10-03

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

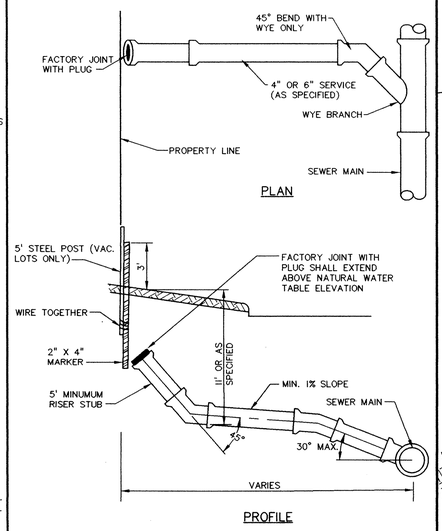
Signed: _____
Date: 04/30/96 Reg. No. 19900



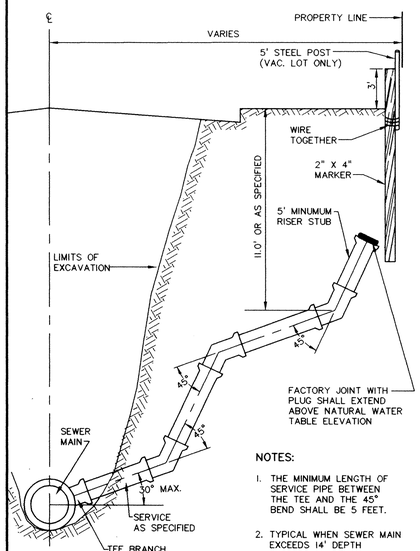
STANDARD SANITARY SEWER MANHOLE (S-01)



STANDARD SANITARY SEWER DROP MANHOLE (SP-02)



TYPICAL HOUSE SERVICE (STD. DEPTH SEWER MAIN) (S-03)



NOTES:

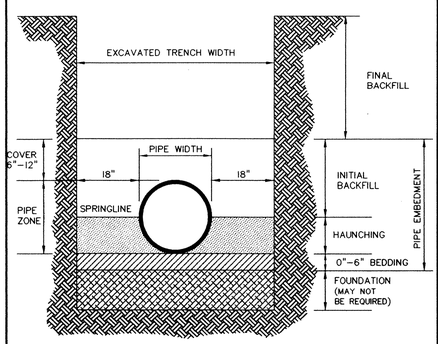
1. THE MINIMUM LENGTH OF SERVICE PIPE BETWEEN THE TEE AND THE 45° BEND SHALL BE 5 FEET.
2. TYPICAL WHEN SEWER MAIN EXCEEDS 14' DEPTH

TYPICAL HOUSE SERVICE (DEEP SEWER MAIN) (S-04)

RECORD DRAWINGS

PRIME CONTRACTOR/UTILITIES: C.W. HOULE, INC.
CURB & GUTTER: HALVORSON CURB CO.
STREETS: BAUERLY BROS., INC.

INSPECTION: RALPH BADER, HOWARD R. GREEN CO.
SURVEY: JOHN OLIVER & ASSOCIATES, INC.
EARTHWORK: DENNIS FEHN EXCAVATING, INC.
RECORD DRAWINGS: BRYAN CLICHE, JOA
CONSTRUCTED: 1996



NOTE:

PIPE BEDDING SHALL CONFORM TO ASTM D-2321 "RECOMMENDED PRACTICE FOR UNDERGROUND INSTALLATION OF FLEXIBLE THERMOPLASTIC SEWER PIPE" EXCEPT PIPE EMBEDMENT MATERIAL SHALL BE CLASS I OR CLASS II WITH 100% PASSING A 3/4 INCH SIEVE AND NOT MORE THAN 10% PASSING A No. 200 SIEVE.

PLASTIC PIPE BEDDING (S-08)

John Oliver & Associates, Inc.
Civil Engineering, Land Surveying, Land Planning
580 Dodge Avenue
Elk River, Minnesota
(612)441-2072 (FAX)441-5665
201 W. Travelers Trail, Suite 200
Burnsville, MN 55337
(612)894-3845 (FAX)894-3049

LAFAYETTE WOODS
ELK RIVER, MN
WINDSOR DEVELOPMENT L.L.P.
DETAILS

SHEET NO. 13 OF 15

1123

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LAFAY.96

DRAWING NUMBER

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